



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 21, 2017

Keshia Carswell  
Senior Regulatory Specialist for,  
Stepan Company  
22 Frontage Road  
Northfield, IL 60093

Subject: Notification per PRN 98-10 – To add Salon and Barber Shop use sites  
Product Name: Powder Detergent/Disinfectant  
EPA Registration Number: 1839-93  
Application Date: August 24, 2017  
Decision Number: 532912

Dear Ms. Carswell:

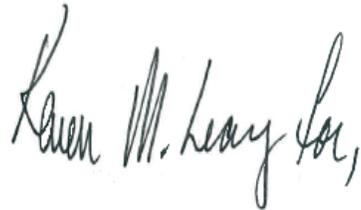
The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

Page 2 of 2  
EPA Reg. No. 1839-93  
Decision No. 532912

If you have any questions, you may contact Karen Leavy at (703)-308-6237 or via email at [Leavy.Karen@epa.gov](mailto:Leavy.Karen@epa.gov).

A handwritten signature in black ink that reads "Karen M. Leavy, Esq.". The signature is written in a cursive style with a large initial 'K' and a trailing comma.

Eric Miederhoff  
Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

# POWDER DETERGENT/DISINFECTANT

CLEANER  
 DETERGENT  
 FUNGICIDE (against pathogenic fungi)  
 MILDEWSTAT (on hard inanimate surfaces)  
 Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu)

DISINFECTANT  
 DEODORIZER  
 \* VIRUCIDE

*(For Commercial and Institutional Use Only)-Optional*

**ACTIVE INGREDIENTS**

Alkyl (60% C<sub>14</sub>, 30% C<sub>16</sub>, 5% C<sub>12</sub>, 5% C<sub>18</sub>)  
 dimethyl benzyl ammonium chlorides..... 7.95%  
 Alkyl (68% C<sub>12</sub>, 32% C<sub>14</sub>)  
 dimethyl ethylbenzyl ammonium chlorides ..... 7.95%

**INERT INGREDIENTS** ..... 84.10%  
 Total 100.00%

**NOTIFICATION**

1839-93  
 The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

09/21/2017

**KEEP OUT OF REACH OF CHILDREN  
 DANGER**

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.  
**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  
**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.  
**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.  
**(OPTIONAL)** You may contact xxx/xxx-xxxx for emergency medical treatment information.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.

See (side) (back) panel for additional precautionary statements.

EPA REG. NO. 1839-93  
 EPA EST. NO. 1839-IL-01

**STEPAN COMPANY**

22 West Frontage Rd.  
 Northfield, IL 60093

TOTAL NET CONTENTS: (X) lbs. (X) ozs.

**(mandatory: must be expressed in avoirdupois pounds and ounces)**

*Optional: can also include total count and size*

(X) Water Soluble Packets, Each Containing (1/2 oz, 1/8 oz, 1 oz, 1.5 oz or 5.75 grams) of product

**EXAMPLES of NET CONTENTS**

TOTAL NET CONTENTS: 2 lb. 13 oz.

- 30 Water Soluble Packets, Each Containing 1.5 oz. of product
- 45 water Soluble Packets, Each containing 1 oz. of product
- 90 Water Soluble Packets, Each containing 1/2 oz. of product
- 360 Water Soluble Packets, Each containing 1/8 oz. of product
- 221 Water Soluble Packets, Each containing 5.75 grams of product

TOTAL NET CONTENTS: 3 lb. 12 oz.

40 Water Soluble Packets, Each Containing 1.5 oz. of product.

TOTAL NET CONTENTS: 7 lbs. 8 oz.

80 Water Soluble Packets, Each Containing 1.5 oz. of product.

## SURFACES & USE SITES

Product label may list the hard, nonporous surfaces or use sites.

### Hard, non-porous surfaces:

Product label may include a graphic depiction of hard, nonporous surfaces listed in the chart below.

#### Surfaces:

Chairs	Floors
Sink tops	Walls
Tables	(Salon)(barber shop) tools

#### Use Sites:

Hospitals	Restrooms
Operating rooms	Salons
Patient care facilities	Barber shops

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Powder Detergent/Disinfectant is a phosphate-free formulation designed to provide effective cleaning, deodorizing, and disinfection specifically for hospitals, nursing homes, and other institutions where housekeeping is of prime importance in controlling the hazard of cross-contamination.

This product, when used as directed, is formulated to disinfect inanimate, hard non-porous surfaces such as walls, floors, sink tops, tables, and chairs. For larger areas such as operating rooms, patient care facilities, and restrooms, this product is designed to provide both general cleaning and disinfection.

Use this product to clean and disinfect hard, non-porous surfaces of personal protective safety equipment (PPE), athletic equipment (helmets, headgear) and non-medical breathing apparatus (respirators, gas masks).

This product deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, and any other areas which are prone to odors caused by microorganisms.

**PACKETS** – *Tear open packet*—follow label dilution instructions and discard opened packet according to label disposal instructions.

*Water soluble packet*—follow label dilution instructions by dropping packet directly into water. Do not remove packets before use. Store in cool dry place. Do not handle packets with wet hands.

**DISINFECTION** - To disinfect inanimate, hard non-porous surfaces add one (1/8 oz., 5.75 gm, 1/2 oz., 1 oz., 1.5 oz.) pre-measured packet of product or measure powder at the following use dilutions:

<b>Add this amount of product:</b>	1/8 ounce (3.55 grams)	5.75 grams	1/2 ounce	1 ounce	1 1/2 ounces
<b>in warm water to make:</b>	One Quart	52 ounces	1 Gallon	2 Gallons	3 Gallons

Stir gently to form a uniform solution. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes and then let air dry.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

### DISINFECTION and CLEANING of NON-MEDICAL PERSONAL PROTECTIVE EQUIPMENT (PPE):

Pre-clean heavily soiled, hard, non-porous surfaces of the equipment prior to disinfecting. Add 0.5 oz. of (this product) (product name) to one gallon of water (or equivalent use dilution). Stir gently to form a uniform solution. Apply solution to the hard, non-porous surfaces of the equipment with a cloth, sponge, hand pump trigger sprayer or by immersion. Thoroughly wet all surfaces to be disinfected, allow to remain wet for 10 minutes. Wipe off any excess solution with a clean cloth, rinse the treated surface with potable water and let air dry prior to storage. The user must comply with all OSHA regulations (Code of Federal Regulations Title 20, Part 1910-134) for cleaning respiratory protection equipment.

PRECAUTION: Disinfection and cleaning at temperatures above 120°F will cause distortion of personal protection equipment (PPE) necessitating replacement.

**Salon (barber) instruments and tools disinfection (bactericide/virucide\*) directions:** Mix 0.5 ounces of (this product or product name) per 1 gallon of water (or equivalent dilution) to disinfect, hard, non-porous instruments and tools. Completely immerse combs, brushes, rollers, razors, scissors, blades, manicure and other salon instruments and tools for 10 minutes. For heavily soiled instruments and tools, a preliminary cleaning is required. Rinse thoroughly and dry before use. Prepare a fresh solution daily or more often if the solution becomes visibly cloudy or soiled.

**NOTE:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged soaking may cause damage to metal instruments.

**BACTERICIDAL ACTIVITY** - At the stated Disinfection dilution rate, this product exhibits effective disinfectant activity against the organisms: Pseudomonas aeruginosa PRD-10, Escherichia coli, Klebsiella pneumoniae, Salmonella (schottmuelleri) enterica, Salmonella (choleraesuis) enterica, Brevibacterium ammoniagenes, Streptococcus faecalis, Shigella dysenteriae, Staphylococcus aureus, Enterobacter aerogenes and meets all requirements for hospital use.

**MILDEWSTAT** - To control mold and mildew on pre-cleaned, hard, non-porous surfaces mix this product at the stated dilution rate for Disinfection. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears. At the disinfectant dilution rate, this product is also fungicidal against the pathogenic fungi, Trichophyton mentagrophytes.

\* **VIRUCIDAL ACTIVITY** - This product, when used on environmental, inanimate, hard surfaces at the Disinfectant dilution rate, exhibits effective virucidal activity against HIV-1, Influenza A<sub>2</sub>, Parainfluenza Type 1 (Sendai), Canine Distemper, Feline Pneumonitis, Vaccinia virus, Herpes Simplex Type 1, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV).

*(optional statements to appear anywhere on the label)*

- Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A virus. This product (Product Name) is a broad-spectrum hard surface disinfectant that has been shown to be effective against (Influenza A virus tested and listed on the label) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- This product (Product Name) has demonstrated effectiveness against Influenza A virus and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 Influenza A virus.
- This product (Product Name) has demonstrated effectiveness against (Influenza A virus tested and listed on the label) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).
- Kills Pandemic 2009 H1N1 Influenza A virus.

**KILLS HIV-1, HBV and HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV and HCV OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

**PERSONAL PROTECTION:** When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, and eye coverings.

**CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of Powder Detergent/Disinfectant.

**CONTACT TIME:** Allow surface to remain wet for 10 minutes.

**DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

**EFFICACY TESTS HAVE DEMONSTRATED THAT POWDER DETERGENT/DISINFECTANT IS AN EFFECTIVE BACTERICIDE AND FUNGICIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM.)**

*(Note: if the deodorizing use is listed on the label, the following paragraph must be included)*

**DEODORIZING and CLEANING** - To deodorize and clean inanimate, hard, non-porous surfaces add one (1/8 oz., 5.75 gm or 1/2 oz.) pre-measured packet of product or measure powder as per the dilution chart in the DISINFECTION section.

Stir gently to form a uniform solution. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes and then let air dry. Prepare a fresh solution for each use.

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS.**

## **DANGER**

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves, and protective clothing. May be fatal if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

*(Note: If container size is of 5 gallons or greater, the following Environmental Hazards statement must be used.)*

### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### **STORAGE AND DISPOSAL**

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

**PESTICIDE STORAGE** - Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in an area inaccessible to children.

*(for products with industrial, institutional and commercial use sites)*

**CONTAINER DISPOSAL** – Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying.

*(Containers 5 gallons or less)*

Triple rinse as follows: Fill container ¼ full with water and recap. Agitate vigorously. Follow Pesticide Disposal instructions for rinsate disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

*(Containers greater than 5 gallons):*

Triple rinse as follows: Fill container ¼ full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into the application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

**PACKET DISPOSAL** - Do not reuse packet. Discard packet in trash.

**PESTICIDE DISPOSAL** - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Packet Label:**

**POWDER  
DETERGENT/DISINFECTANT**

**ACTIVE INGREDIENTS**

Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chlorides .....	7.95%
Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chlorides.....	7.95%
<b>INERT INGREDIENTS .....</b>	<b>84.10%</b>
Total	100.00%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

See master label for additional precautionary statements  
and use directions.

**Disposal** - Do not reuse empty packet. Wrap packet and put in trash.

EPA REG. NO. 1839-93  
EPA EST. NO. 1839-IL-01

**STEPAN COMPANY**

22 West Frontage Road • Northfield, IL 60093

Mix contents in **1 gallon** of water.  
NET WEIGHT CONTENTS: **½ ounce**  
or

Mix contents in **2 gallons** of water.  
NET WEIGHT CONTENTS: **1 ounce**  
or

Mix contents in **3 gallons** of water  
NET WEIGHT CONTENTS: **1.5 ounces**  
or

Mix contents in **1 quart** of water.  
NET WEIGHT CONTENTS: **1/8 ounce**  
or

Mix contents in **52 ounces** of water.  
NET WEIGHT CONTENTS: **5.75 grams**

## Water Soluble Packet Label:

### POWDER DETERGENT/DISINFECTANT

#### ACTIVE INGREDIENTS

Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chlorides.....	7.95%
Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chlorides .....	7.95%
<b>INERT INGREDIENTS .....</b>	<b>84.10%</b>
Total	100.00%

**KEEP OUT OF REACH OF CHILDREN**

### DANGER

See master label for additional precautionary statements  
and use directions.

EPA REG. NO. 1839-93  
EPA EST. NO. 1839-IL-01

STEPAN COMPANY  
22 West Frontage Road • Northfield, IL 60093

Add one packet in **1 gallon** of water.  
NET WEIGHT CONTENTS: **½ ounce**  
or  
Add one packet in **2 gallons** of water  
NET WEIGHT CONTENTS: **1 ounce**  
or  
Add one packet in **3 gallons** of water  
NET WEIGHT CONTENTS: **1.5 ounces**  
or  
Add one packet in **1 quart** of water.  
NET WEIGHT CONTENTS: **1/8 ounce**  
or  
Mix contents in **52 ounces** of water.  
NET WEIGHT CONTENTS: **5.75 grams**

***Alternate Water Soluble Packet Label:  
(for small 1" x 1" packets)***

**POWDER  
DETERGENT/DISINFECTANT**

Quaternary Ammonium Chlorides

**KEEP OUT OF REACH OF CHILDREN**

**DANGER CORROSIVE**

See outer container for  
Precautions and Directions.

EPA REG. NO. 1839-93